

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX063021\  
 Data File : VX023028.D  
 Acq On : 30 Jun 2021 12:59  
 Operator : JC/MD  
 Sample : M2872-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Jul 01 03:25:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jun 23 19:12:26 2021  
 Response via : Initial Calibration

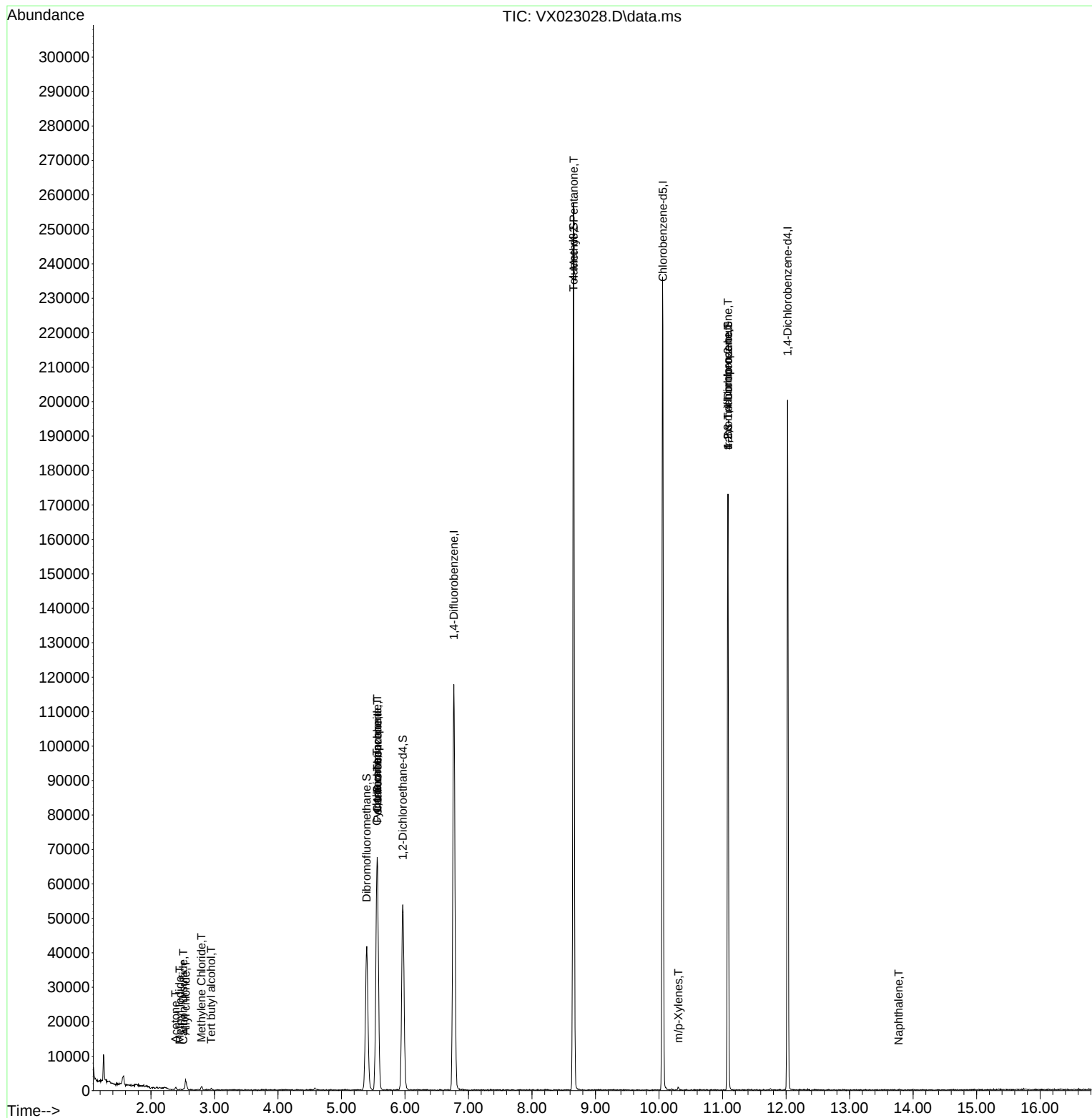
| Compound                      | R.T.   | QIon           | Response | Conc       | Units  | Dev(Min) |
|-------------------------------|--------|----------------|----------|------------|--------|----------|
| -----                         |        |                |          |            |        |          |
| Internal Standards            |        |                |          |            |        |          |
| 1) Pentafluorobenzene         | 5.568  | 168            | 56125    | 50.000     | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.769  | 114            | 111485   | 50.000     | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.061 | 117            | 96720    | 50.000     | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152            | 34755    | 50.000     | ug/l   | 0.00     |
|                               |        |                |          |            |        |          |
| System Monitoring Compounds   |        |                |          |            |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65             | 51330    | 50.395     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 78 - 117 | Recovery | = 100.800% |        |          |
| 35) Dibromofluoromethane      | 5.397  | 113            | 34913    | 49.315     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 75 - 124 | Recovery | = 98.640%  |        |          |
| 50) Toluene-d8                | 8.653  | 98             | 139074   | 50.124     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 92 - 112 | Recovery | = 100.240% |        |          |
| 62) 4-Bromofluorobenzene      | 11.085 | 95             | 44032    | 42.522     | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range 83 - 123 | Recovery | = 85.040%  |        |          |
|                               |        |                |          |            |        |          |
| Target Compounds              |        |                |          |            |        | Qvalue   |
| 10) Methyl Iodide             | 2.453  | 142            | 248      | 4.140      | ug/l # | 88       |
| 11) Tert butyl alcohol        | 2.946  | 59             | 207      | 0.975      | ug/l # | 73       |
| 14) Allyl chloride            | 2.544  | 41             | 385      | 0.278      | ug/l # | 49       |
| 16) Acetone                   | 2.386  | 43             | 693      | 1.535      | ug/l # | 79       |
| 17) Carbon Disulfide          | 2.508  | 76             | 218      | 3.618      | ug/l # | 75       |
| 20) Methylene Chloride        | 2.794  | 84             | 451      | 0.872      | ug/l # | 77       |
| 31) Cyclohexane               | 5.556  | 56             | 1902     | 1.323      | ug/l # | 42       |
| 36) 1,1-Dichloropropene       | 5.562  | 75             | 6110     | 5.160      | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.562  | 117            | 6697     | 6.743      | ug/l # | 16       |
| 51) 4-Methyl-2-Pentanone      | 8.659  | 43             | 719      | 0.524      | ug/l # | 1        |
| 68) m/p-Xylenes               | 10.305 | 106            | 327      | 0.235      | ug/l # | 70       |
| 76) 1,2,3-Trichloropropane    | 11.085 | 75             | 25181    | 27.430     | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.085 | 75             | 25181    | 70.952     | ug/l # | 12       |
| 95) Naphthalene               | 13.774 | 128            | 235      | 2.002      | ug/l # | 69       |
| -----                         |        |                |          |            |        |          |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Jul 01 03:25:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062321W.M  
Quant Title : SW846 8260  
QLast Update : Wed Jun 23 19:12:26 2021  
Response via : Initial Calibration

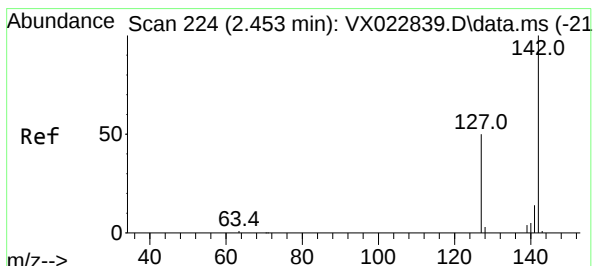
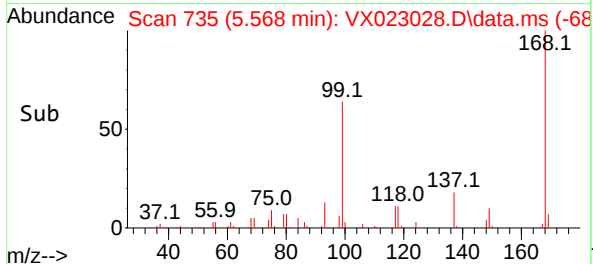
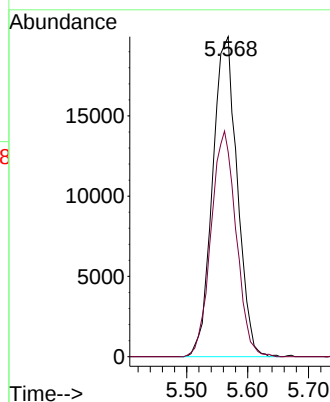
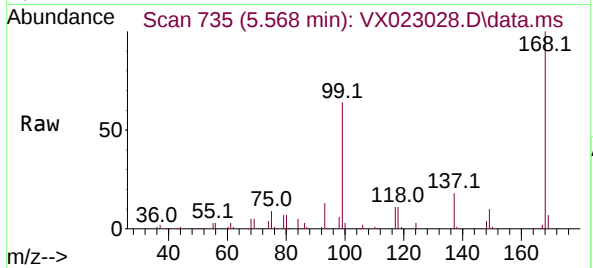




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.568 min Scan# 735  
Delta R.T. 0.012 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

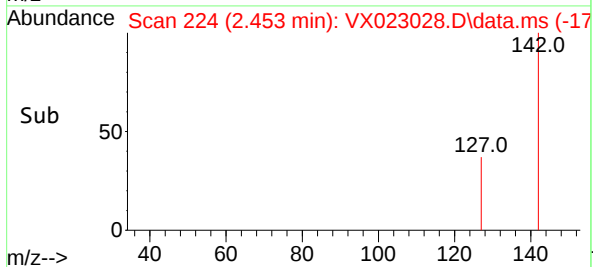
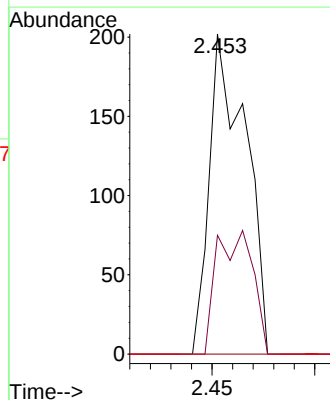
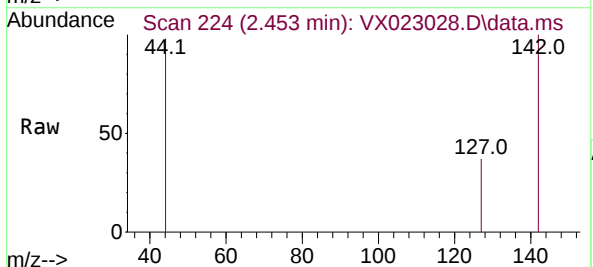
Instrument :  
MSVOA\_X  
ClientSampled :

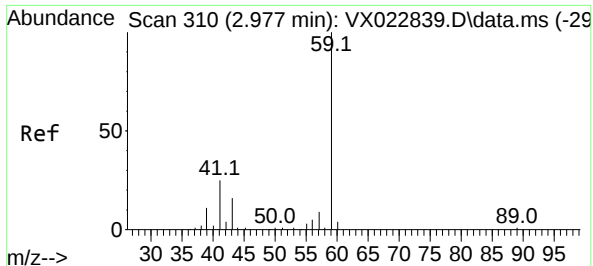
Tgt Ion:168 Resp: 56125  
Ion Ratio Lower Upper  
168 100  
99 63.9 45.8 68.6



#10  
Methyl Iodide  
Concen: 4.140 ug/l  
RT: 2.453 min Scan# 224  
Delta R.T. -0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion:142 Resp: 248  
Ion Ratio Lower Upper  
142 100  
127 38.7 33.3 49.9  
141 0.0 11.4 17.0#



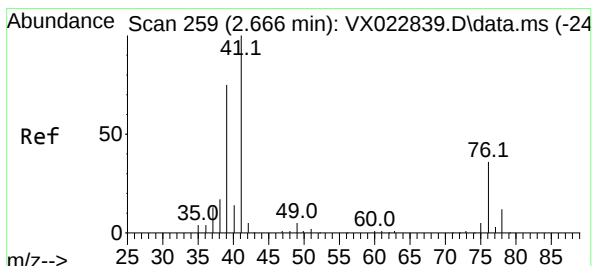
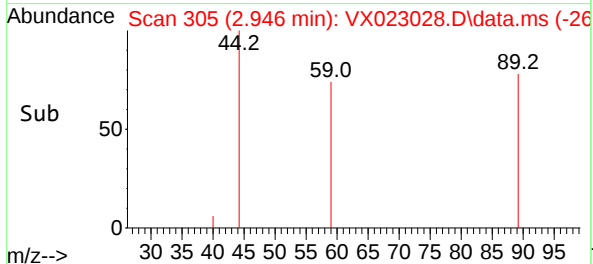
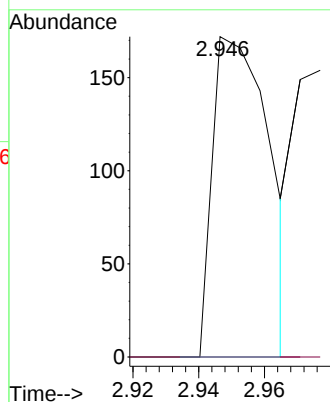
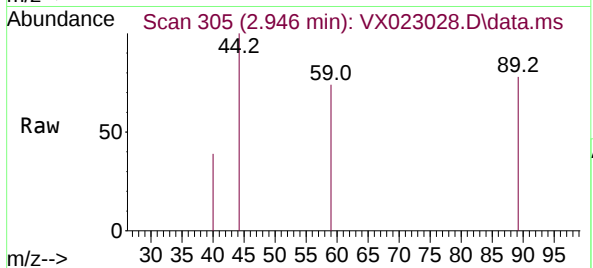


#11

Tert butyl alcohol  
Concen: 0.975 ug/l  
RT: 2.946 min Scan# 305  
Delta R.T. -0.031 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Instrument :  
MSVOA\_X  
ClientSampled :

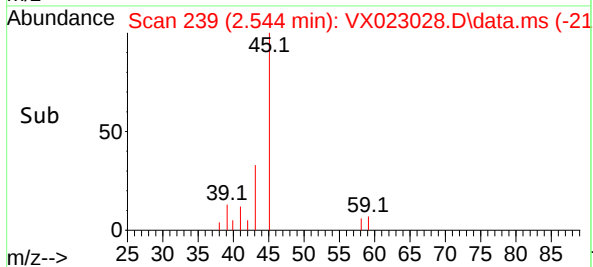
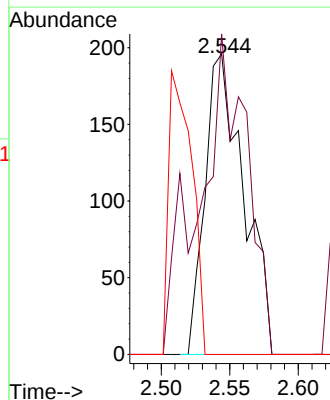
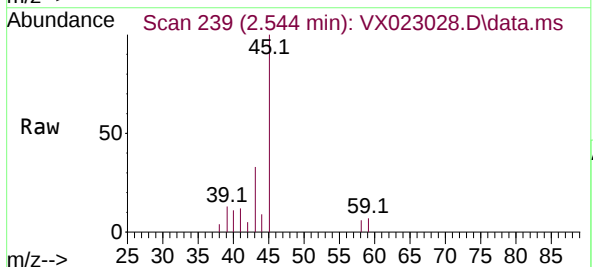
Tgt Ion: 59 Resp: 207  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#

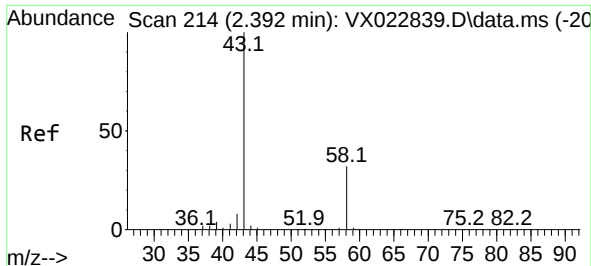


#14

Allyl chloride  
Concen: 0.278 ug/l  
RT: 2.544 min Scan# 239  
Delta R.T. -0.122 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion: 41 Resp: 385  
Ion Ratio Lower Upper  
41 100  
39 98.7 51.6 77.4#  
76 0.0 30.5 45.7#

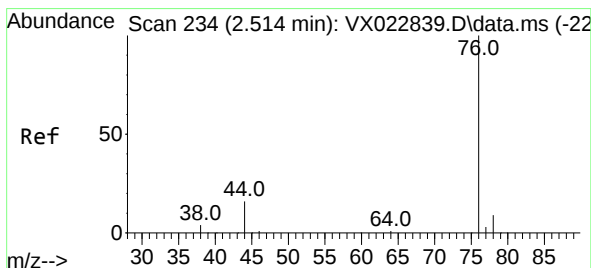
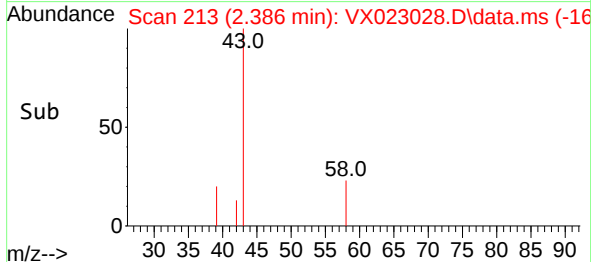
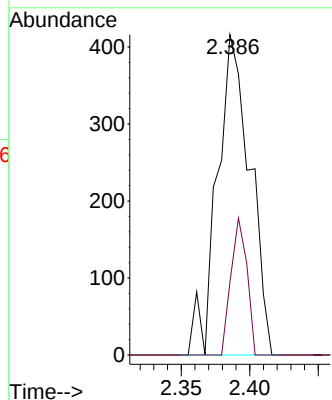
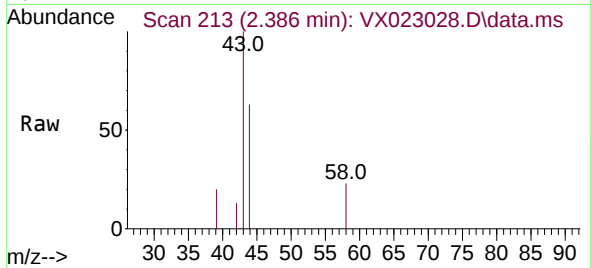




#16  
Acetone  
Concen: 1.535 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.006 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

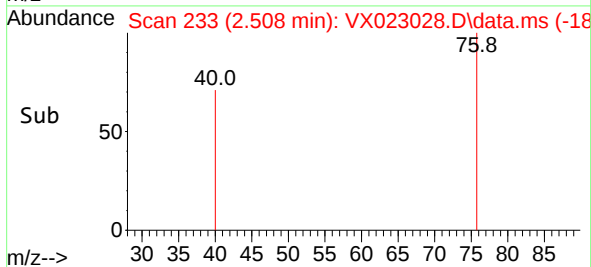
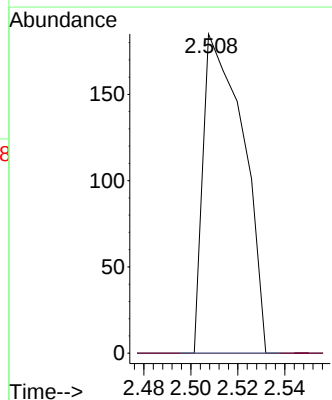
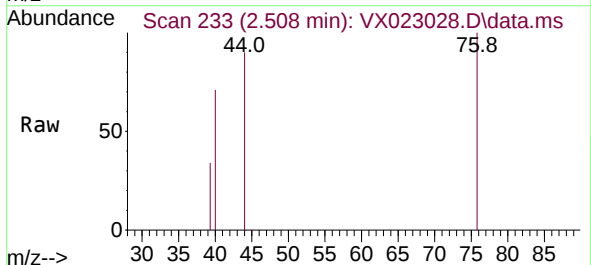
Instrument :  
MSVOA\_X  
ClientSampled :

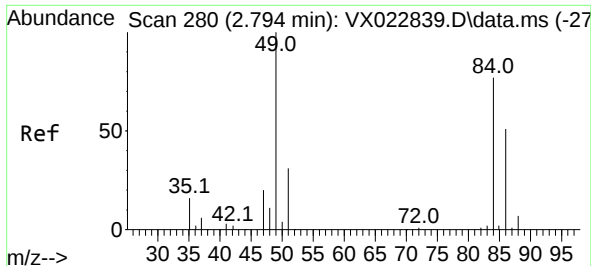
Tgt Ion: 43 Resp: 693  
Ion Ratio Lower Upper  
43 100  
58 22.8 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 3.618 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. -0.006 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion: 76 Resp: 218  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

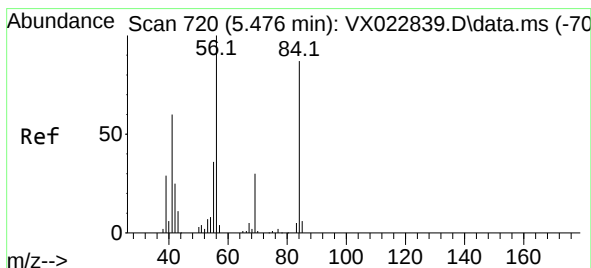
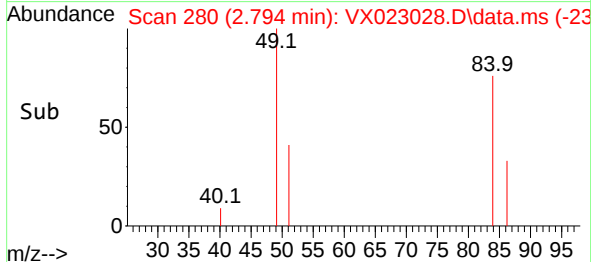
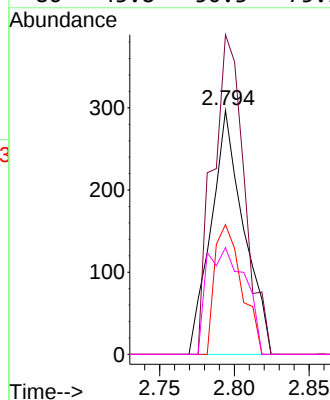
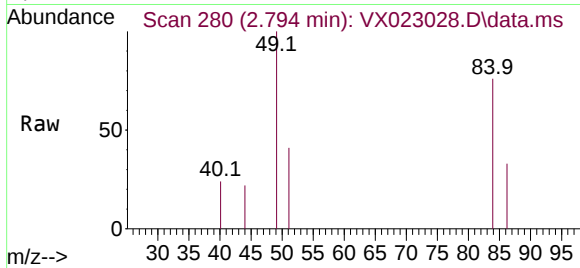




#20  
Methylene Chloride  
Concen: 0.872 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

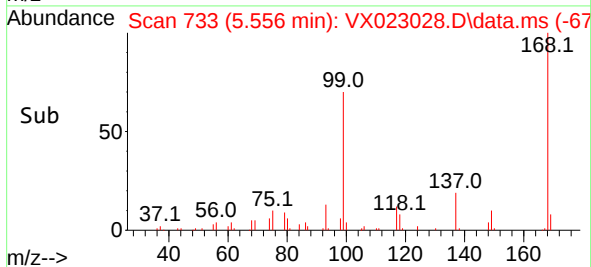
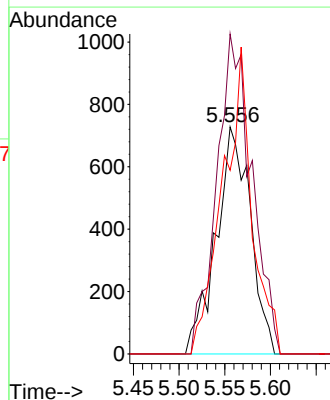
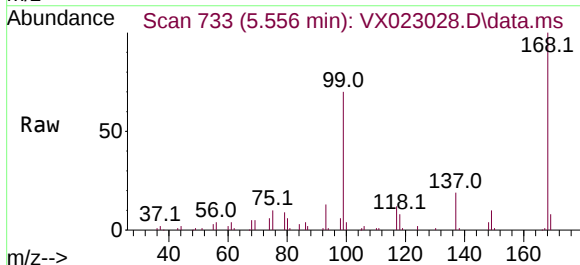
Instrument :  
MSVOA\_X  
ClientSampled :

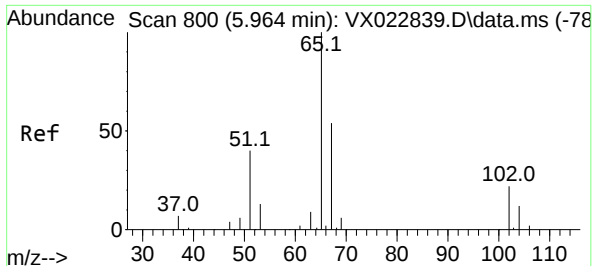
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 451   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 131.0 | 88.6  | 132.8 |
| 51       | 53.2  | 27.0  | 40.6# |
| 86       | 43.8  | 50.3  | 75.5# |



#31  
Cyclohexane  
Concen: 1.323 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.080 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 1902  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 140.9 | 25.3  | 37.9# |
| 84       | 80.9  | 71.4  | 107.0 |



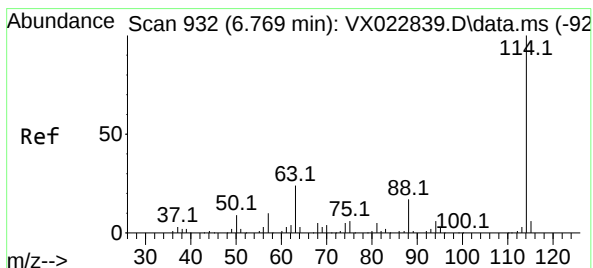
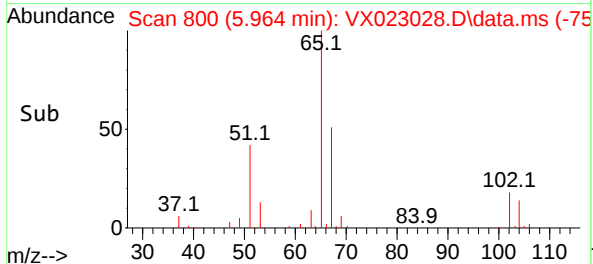
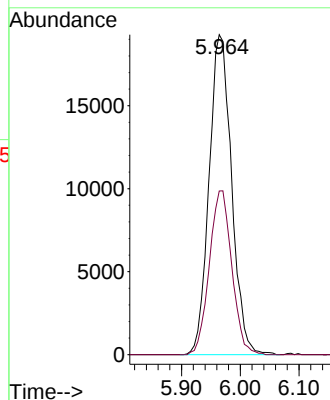
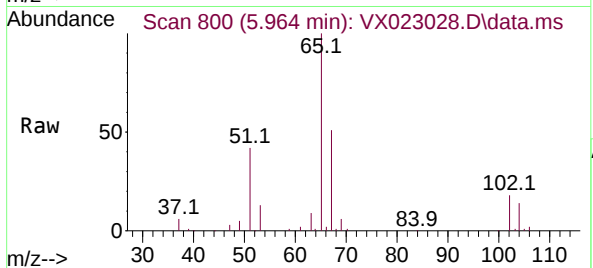


#33

1,2-Dichloroethane-d4  
Concen: 50.395 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Instrument :  
MSVOA\_X  
ClientSampled :

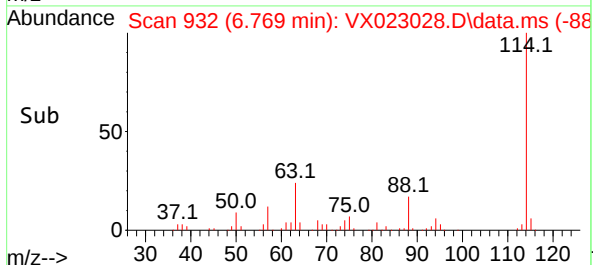
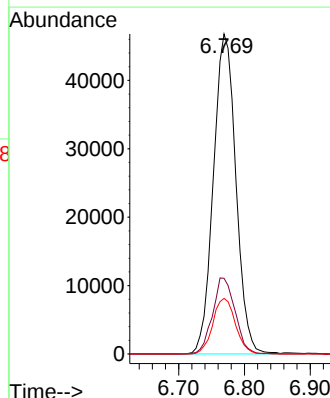
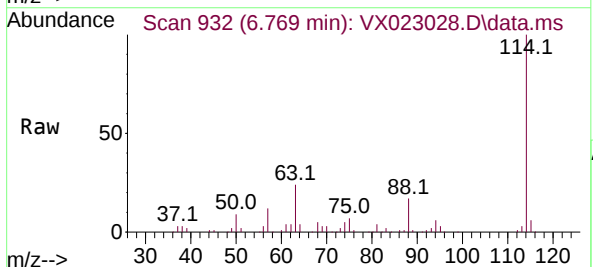
Tgt Ion: 65 Resp: 51330  
Ion Ratio Lower Upper  
65 100  
67 51.1 0.0 105.4

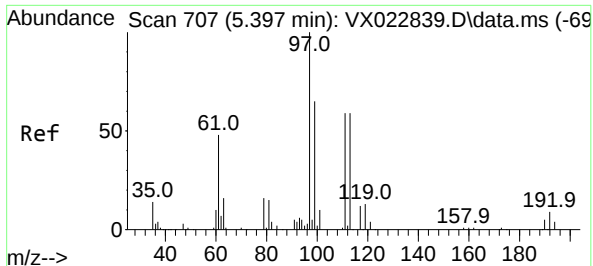


#34

1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. -0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion: 114 Resp: 111485  
Ion Ratio Lower Upper  
114 100  
63 23.7 0.0 40.8  
88 17.4 0.0 32.8

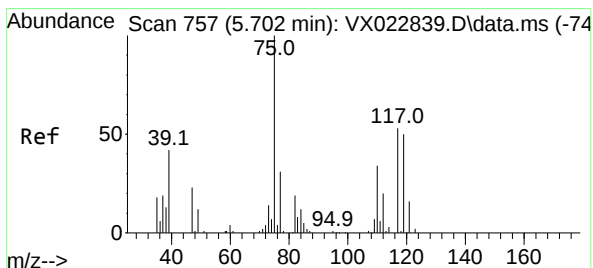
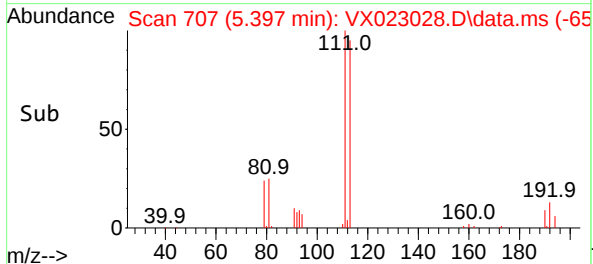
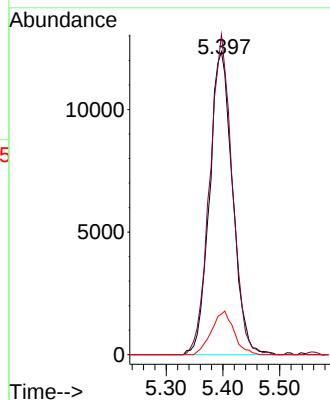
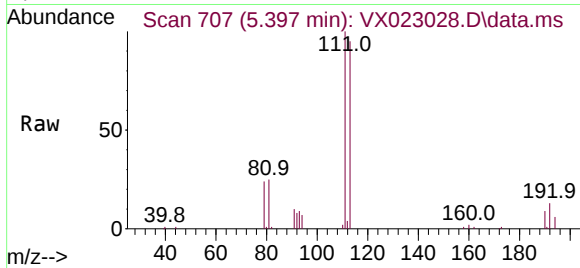




#35  
Dibromofluoromethane  
Concen: 49.315 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

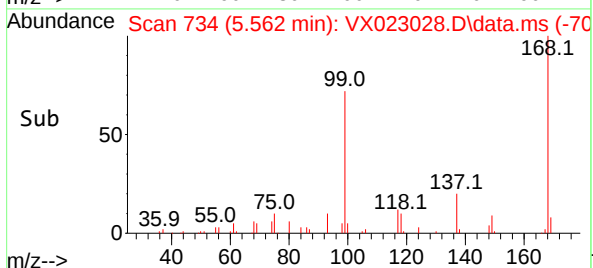
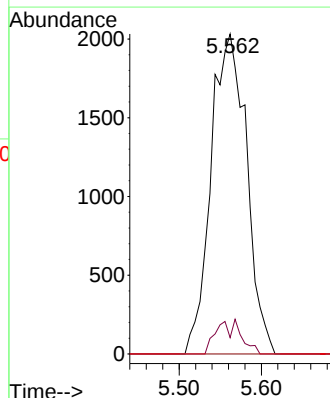
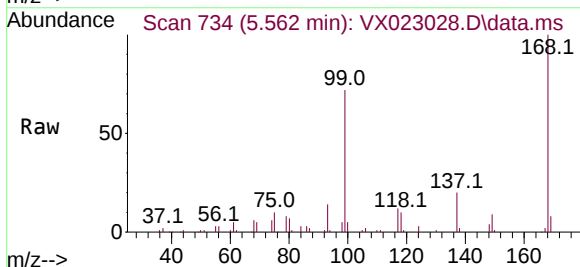
Instrument :  
MSVOA\_X  
ClientSampleId :

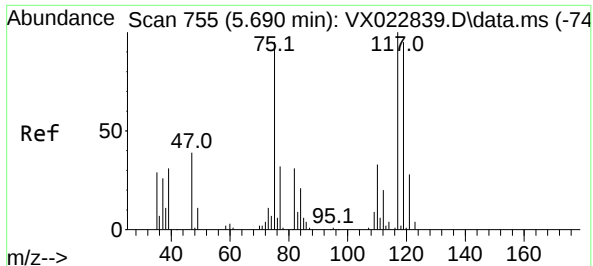
Tgt Ion:113 Resp: 34913  
Ion Ratio Lower Upper  
113 100  
111 103.3 81.9 122.9  
192 14.0 16.7 25.1#



#36  
1,1-Dichloropropene  
Concen: 5.160 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.140 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

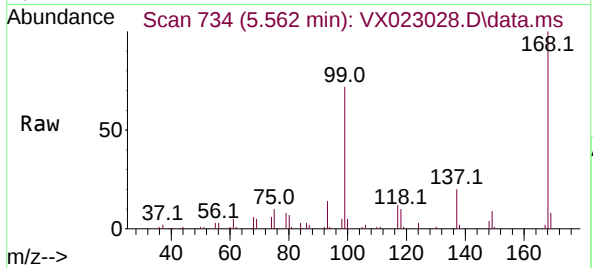
Tgt Ion: 75 Resp: 6110  
Ion Ratio Lower Upper  
75 100  
110 7.4 18.1 54.4#  
77 0.0 25.3 37.9#



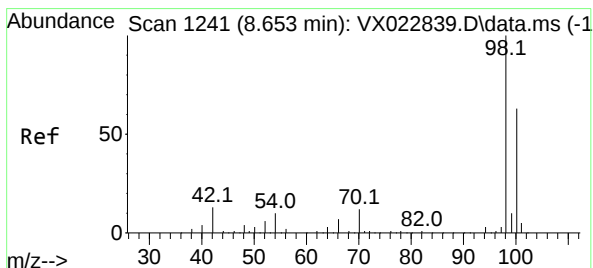
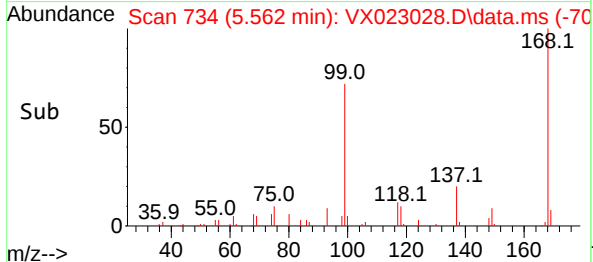
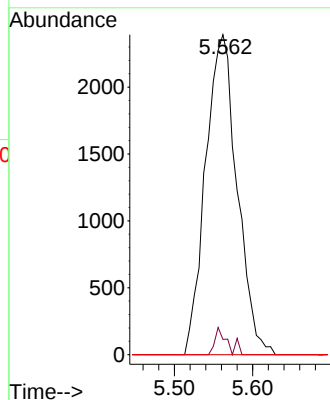


#38  
Carbon Tetrachloride  
Concen: 6.743 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.128 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Instrument :  
MSVOA\_X  
ClientSampled :

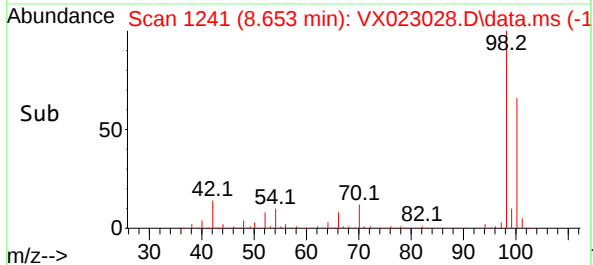
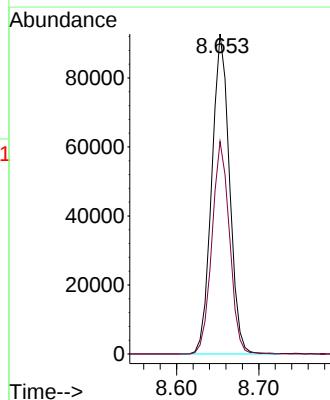
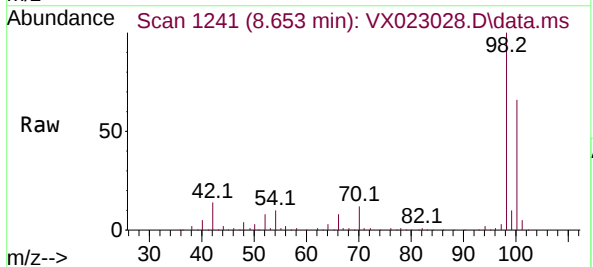


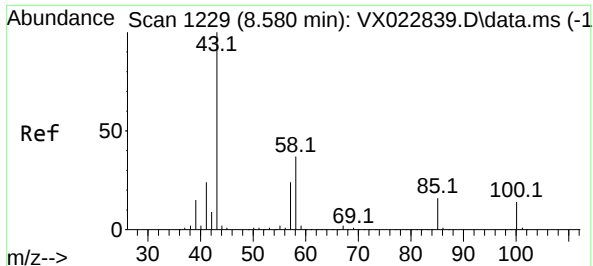
Tgt Ion:117 Resp: 6697  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.2 114.2#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 50.124 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion: 98 Resp: 139074  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.9 77.9

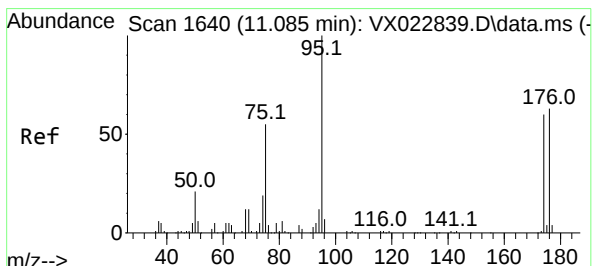
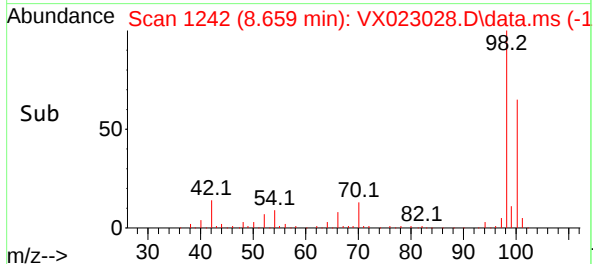
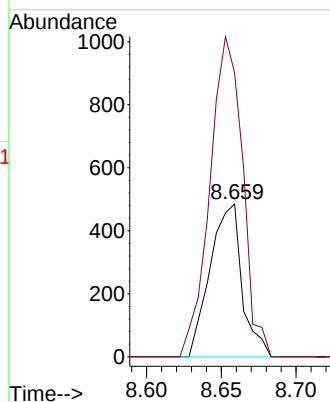
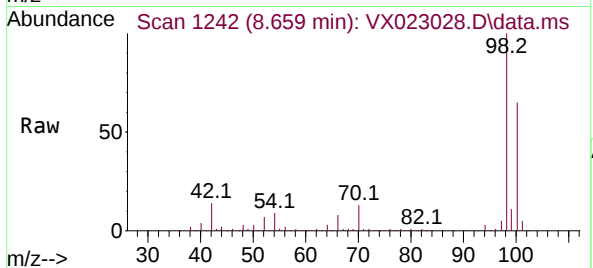




#51  
4-Methyl-2-Pentanone  
Concen: 0.524 ug/l  
RT: 8.659 min Scan# 1242  
Delta R.T. 0.079 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

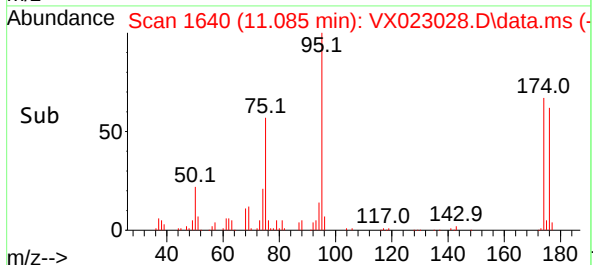
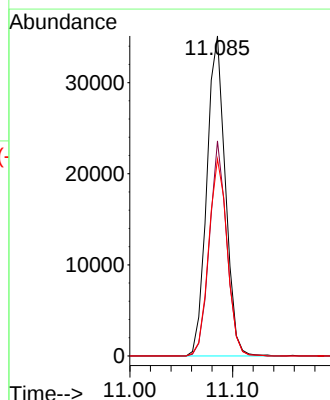
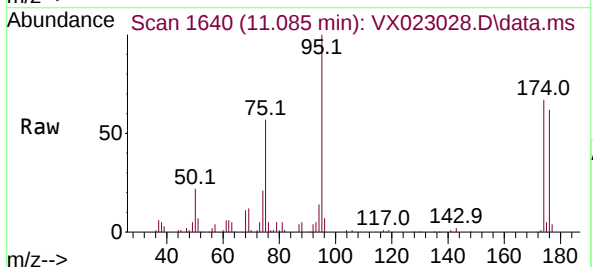
Instrument :  
MSVOA\_X  
ClientSampled :

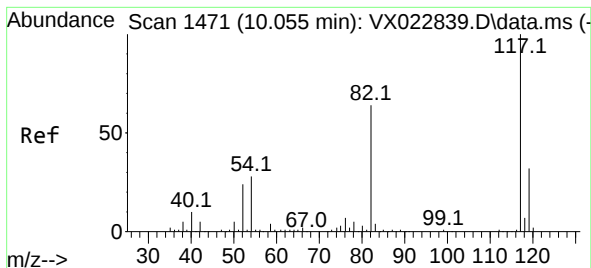
Tgt Ion: 43 Resp: 719  
Ion Ratio Lower Upper  
43 100  
58 215.6 35.4 53.0#



#62  
4-Bromofluorobenzene  
Concen: 42.522 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion: 95 Resp: 44032  
Ion Ratio Lower Upper  
95 100  
174 62.2 0.0 154.6  
176 61.5 0.0 155.8

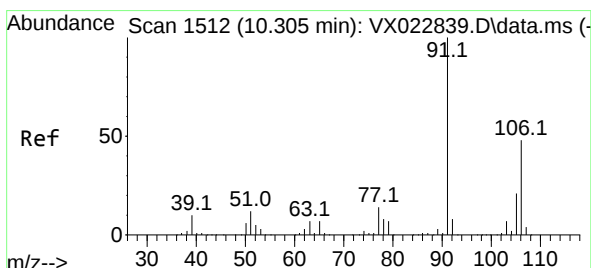
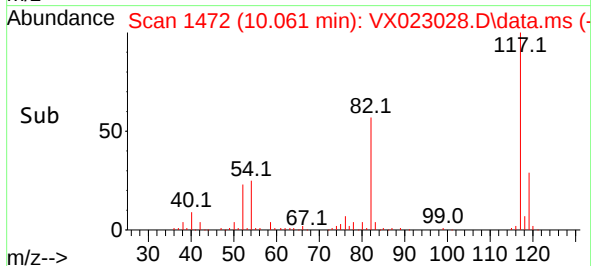
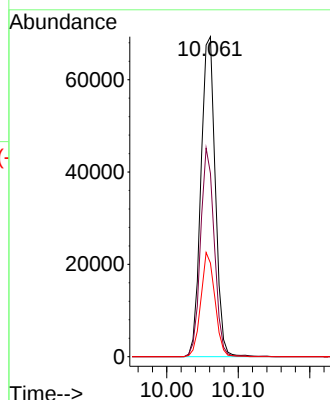
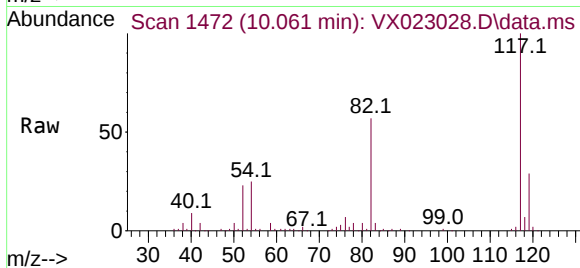




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.006 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

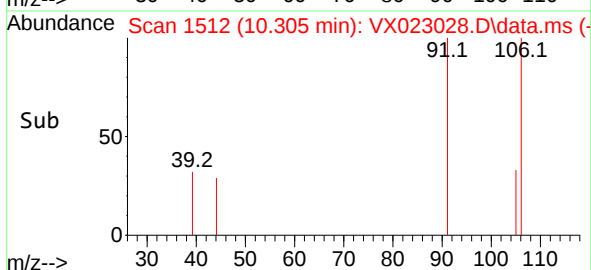
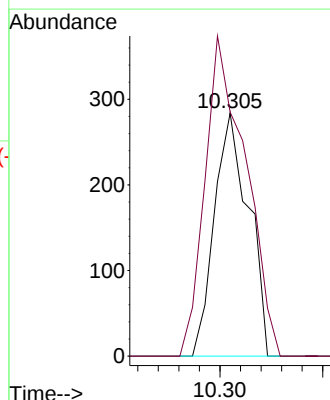
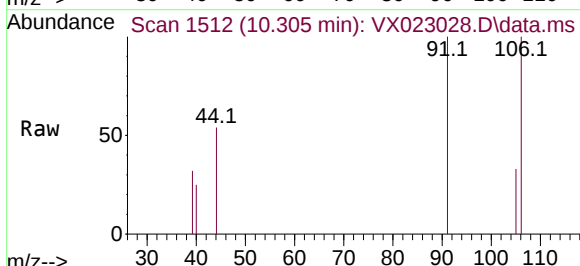
Instrument :  
MSVOA\_X  
ClientSampled :

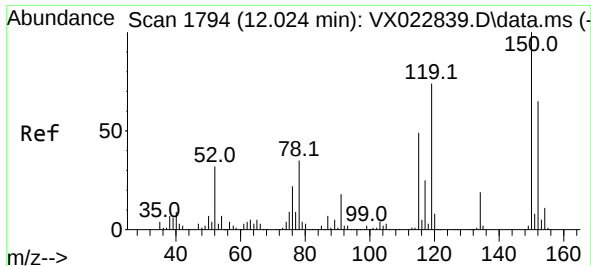
Tgt Ion:117 Resp: 96720  
Ion Ratio Lower Upper  
117 100  
82 57.3 47.4 71.2  
119 29.3 26.6 39.8



#68  
m/p-Xylenes  
Concen: 0.235 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion:106 Resp: 327  
Ion Ratio Lower Upper  
106 100  
91 156.9 162.8 244.2#

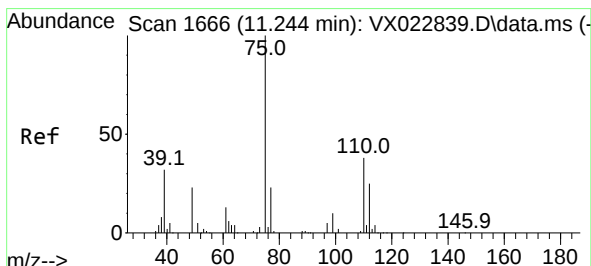
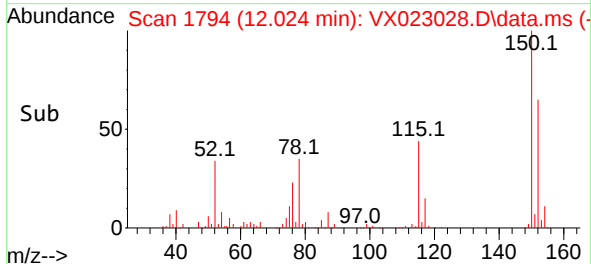
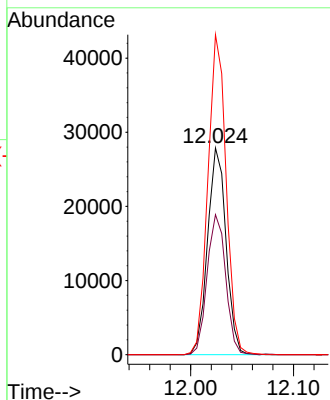
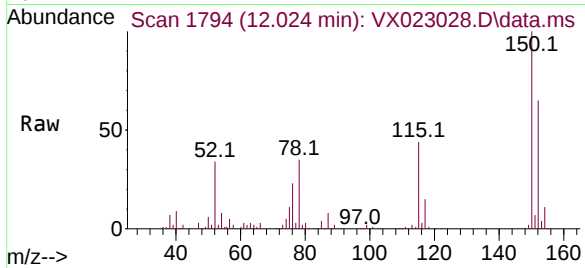




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX023028.D  
 Acq: 30 Jun 2021 12:59

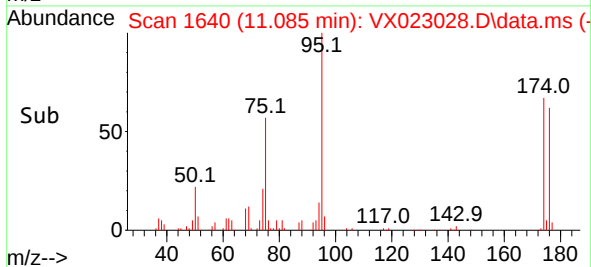
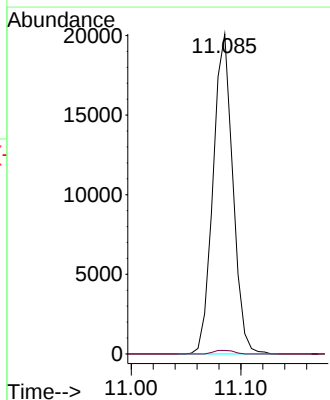
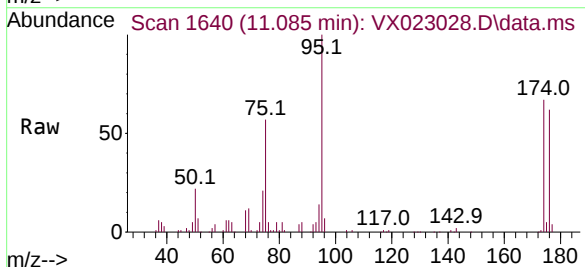
Instrument :  
 MSVOA\_X  
 ClientSampled :

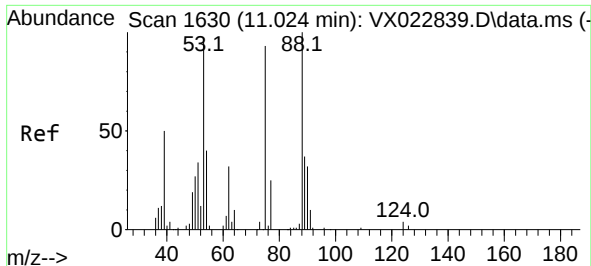
Tgt Ion:152 Resp: 34755  
 Ion Ratio Lower Upper  
 152 100  
 115 68.2 41.1 123.3  
 150 152.7 0.0 349.0



#76  
 1,2,3-Trichloropropane  
 Concen: 27.430 ug/l  
 RT: 11.085 min Scan# 1640  
 Delta R.T. -0.159 min  
 Lab File: VX023028.D  
 Acq: 30 Jun 2021 12:59

Tgt Ion: 75 Resp: 25181  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 19.1 57.5#

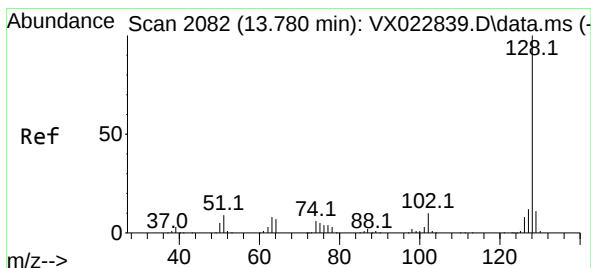
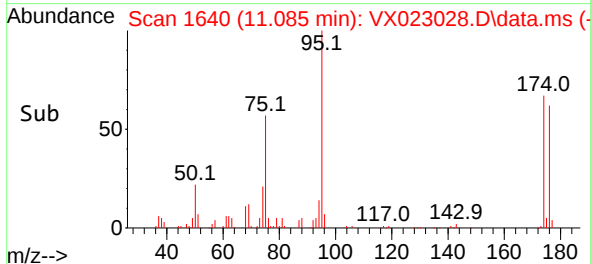
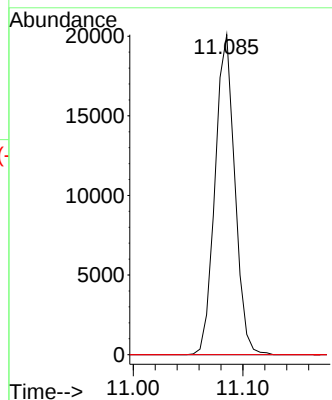
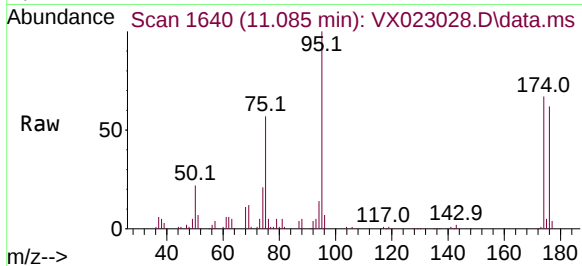




#81  
trans-1,4-Dichloro-2-butene  
Concen: 70.952 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.061 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion: 75 Resp: 25181  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#



#95  
Naphthalene  
Concen: 2.002 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VX023028.D  
Acq: 30 Jun 2021 12:59

Tgt Ion:128 Resp: 235  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.3 15.5#  
129 0.0 8.8 13.2#

